

Appl. No. 09/832,980
 Amtd. dated 7 December 2005
 Reply to Office action of September 7, 2005
 Atty. Docket No. AP1103US

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 3: Cancelled

4. (Currently amended) A termination circuit ~~as defined in~~ according to claim 19, wherein said transmission medium is a twisted copper pair.

5. (Currently amended) A termination circuit ~~as defined in~~ according to claim 19, wherein said bi-directional communication is implemented utilizing a Digital Subscriber Line (DSL) scheme.

Claims 6 to 18: Cancelled

19. (Currently amended) A ~~termination circuit for a~~ subscriber line interface circuit (SLIC) for connection connected to a transmission medium for bi-directional communication of both voice and data signals to and from said transmission medium, said ~~termination circuit~~ SLIC comprising:

- (i) detection means (106) for detecting voice and data signals at a connection point (131, 132) to said transmission medium and providing corresponding detected voice and data signals (V+D);
- (ii) ~~far-end echo cancellation~~ means (114) for deriving from said detected voice and data signals a voice band return loss signal (V'), analog filter means for limiting said voice band return loss signal to the voice band, and [combining said] means for subtracting the filtered voice band return loss signal (V') from voice and data signals for transmission to said transmission medium via said connection point.

20. (Currently amended) A termination circuit according to claim 19, further comprising

- (iii) transhybrid loss and near end echo cancellation means comprising an analog circuit (118) responsive to data signals to be transmitted via said connection point (131, 132) for providing estimates of a transhybrid component value and a near end echo value, an analog data band filter (119) for restricting the estimates to said data band, and means (120) for subtracting the restricted estimates from incoming signals received from said transmission

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